

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re application of)
Volker LOHWEG)
Application No. : TBD)
Filed : January 26, 2005)
For : METHODS FOR)
EVALUATING)
THE SIGNALS)
OF AN ELECTRONIC)
IMAGE SENSOR)
DURING PATTERN)
RECOGNITION)
OF IMAGE)
CONTENTS IN A)
TEST PIECE)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR 1.97 and 1.98, and with MPEP Section 609, the materials listed on the accompanying form PTO/SB/08a and b are brought to the attention of the Examiner. Copies of the various articles are enclosed. Copies of the two U.S. patent documents are not enclosed.

A copy of each of the four articles set forth in the International Search Report, which is a part of the published PCT application WO 2004/017252 A1 is enclosed. All of these four articles are in the English language. No discussion thereof is required.

Copies of the three articles referenced in the Substitute Specification are also

enclosed. The Charalampidis et al. article is in the English language and no discussion thereof is required. The Tilli article and the Arnemann article are in the German language. The Examiner is requested to review the discussions of these articles as set forth in the substitute specification.

The article by Lohwig and Müller is discussed in the Substitute Specification, of the subject application, as amended.

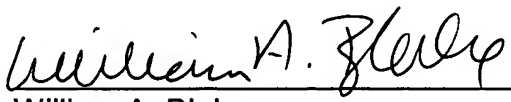
U.S. Patent Application Publication No. 2002/0039446 A1 is cited in the Substitute Specification, as amended. It is in the English language. U.S. Patent No. 5,602,932 was brought to the attention of the undersigned by applicant's principal representatives in Germany, without comment. It is in the English language.

Entry of these materials into the file of the subject U.S. application, and their consideration by the Examiner is respectfully requested.

Respectfully submitted,

Volker LOHWEG
Applicant

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January 26, 2005
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Attorney Docket: W1.1913 PCT-US

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PTUS REG PCT/US 26 JAN 2005

Substitute for form 1449B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number		
			Filing Date		
			First Named Inventor	Volker LOHWEG	
			Art Unit		
			Examiner Name		
Sheet	1	of	1	Attorney Docket Number	W1.1913 PCT-US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	"Handwritten Character Recognition using Fuzzy Logic," S. Sasi and J. S. Bedi; Dept. of Elect. & Comp. Eng., Wayne State U., Detroit, MI 03/08/94	
	2	"Position, Rotation, and Scale Invariant Recognition of Images Using Higher-Order Spectra," V. Chandran and S. L. Elgar; IEEE, 23-03-92	
	3	"Fuzzy Pyramid-Based Invariant Object Recognition," X. Liu, S. Tan, V. Srinivasan, S.H. Ong, W. Xie; May 27, 1994, No. 5, Head.Hill Hall, Oxfor, GB; Pattern Recognition, Vol. 27, No. 5, pp. 741-756	
	4	"Fuzzy Quaternion Approach to Object Recognition Incorporating Zernike Moment Invariants," K.N. Ngan, S.B. Kang; IEEE, 10th Int'l Conf. on Pattern Recognition, June 1990	
	5	"Mustererkennung mit Fuzzy-Logik - Analysieren, klassifizieren, erkennen und diagnostizieren," Thomas Tilli; 1993 Franzis-Verlag GmbH, Munchen	
	6	"Mustererkennung mit Fuzzy-Logik," Peter Arnemann; Elektronik 22/ 1991	
	7	"A Fuzzy ARTMAP Based Classification Technique of Natural Textures," D. Charalampidis, M. Georgiopoulos, T. Kasparis, J. Rolland; 1999 IEEE	
	8	"Ein generalisiertes Verfahren zur Berechnung von translationsinvarianten Zirkulartransformationen für die Anwendung in der Signal- und Bildverarbeitung," V. Lohweg, D. Muller; Mustererkennung 2000	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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